

Appln No. 09/839,944

Amdt date November 15, 2004

Reply to Office action of August 2, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A content indexing structure comprising:

a first indexing level having a plurality of first-level content indexes ~~connected~~ coupled in a substantially circular manner, ~~one of the first level content indexes representing a particular category associated with a particular feature~~ a first first-level content index being selected from a first set of first-level content indexes sharing a first category feature as a first representative index for the first set, and a second first-level content index being selected from a second set of first-level content indexes sharing a second category feature as a second representative index for the second set;

a second indexing level having a plurality of second-level content indexes coupled in a substantially circular manner, the second-level content indexes corresponding to representative indexes in the first indexing level, ~~each of the second level content indexes having a weighing value indicative of an association with the first level content index representing the particular category, the plurality of second level content indexes being arranged in a substantially circular manner according to a weighing value, wherein the first level content index is selected from the second level content indexes~~

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wherein a user traverses from the first set of first-level content indexes sharing the first category feature to the second set of first-level content indexes sharing the second category feature in response to a first user action without first invoking the second indexing level, and traverses second-level content indexes and representative indexes in the first indexing level in response to a second user action.

2. Cancelled

3. (Previously Presented) The structure of claim 1, wherein the category is selected from a group consisting of types, keywords, viewing patterns and database reference data.

4. (Previously Presented) The structure of claim 1, wherein moving between contents indexed by the content indexing structure includes moving from the first indexing level to the second indexing level or from the second indexing level to the first indexing level according to a user's manipulations of an input device.

5. (Previously Presented) The structure of claim 1, wherein moving between contents indexed at the first indexing level includes moving an input device in a clockwise or counterclockwise direction between associated first level content indexes in a substantially circular manner according to a user's manipulations of the input device.

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6. (Previously Presented) The structure of claim 1, wherein moving between contents indexed at a second indexing level includes moving an input device in a clockwise or counterclockwise direction between associated second level content indexes in a circle according to a user's manipulations of the input device.

7. (Previously Presented) The structure of claim 1, wherein when a present indexing level is changed according to the a user's manipulation of an input device, a relationship of the first and second indexing levels with respect to the present indexing level is updated after the movement.

8. (Currently Amended) A content display system comprising:

a memory;

a contents features analyzer for analyzing features of at least one content provided from a media source and storing information on the analyzed features and information on one or more content indexes for accessing the content from the memory; and

a content selector for retrieving the content corresponding to the content index stored in the memory according to a user's request, wherein indexes are generated according to a content indexing structure based on the analyzed features, the content indexing structure including:

a first indexing level having a plurality of first level content indexes ~~connected~~ coupled in a substantially

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~~circular manner, one of the first level content indexes representing a particular category associated with a particular feature~~ a first first-level content index being selected from a first set of first-level content indexes sharing a first category feature as a first representative index for the first set, and a second first-level content index being selected from a second set of first-level content indexes sharing a second category feature as a second representative index for the second set; and

~~a second indexing level having a plurality of second level content indexes coupled in a substantially circular manner, the second-level content indexes corresponding to representative indexes in the first indexing level, each of the second level content indexes having a weighing value indicative of an association with the first level content index representing the particular category, the plurality of second level content indexes being arranged in a substantially circular manner according to the weighing value, wherein the first level content index is selected from the second level content indexes~~

wherein a user traverses from the first set of first-level content indexes sharing the first category feature to the second set of first-level content indexes sharing the second category feature in response to a first user action without first invoking the second indexing level, and traverses second-level content indexes and representative indexes in the first indexing level in response to a second user action.

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9. (Currently Amended) The system of claim 8, wherein ~~each representative the first level content index representing the particular category~~ best exemplifies its respective category ~~the particular feature of the category.~~

10. (Currently Amended) The system of claim [[9]] 8, wherein the category is selected from a group consisting of types, keywords, viewing patterns and database references extracted from the content information.

11. (Currently Amended) The system of claim [[9]] 8, wherein moving between content indexe[[d]]s by the content indexing structure includes moving from the first indexing level to the second indexing level or from the second indexing level to the first indexing level according to a user's manipulations of the content[[s]] selector.

12. (Currently Amended) The system of claim [[9]] 8, wherein moving between content indexe[[d]]s at the first indexing level includes moving the content[[s]] selector in a clockwise and counterclockwise direction between associated first level content indexes according to a user's manipulations of the content[[s]] selector.

13. (Currently Amended) The system of claim [[9]] 8, wherein moving between contents indexed at the second indexing level includes moving the content[[s]] selector in a clockwise and counterclockwise direction between associated second level

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content indexes according to a user's manipulations of the content[[s]] selector.

14. (Currently Amended) The system of claim [[9]] 8, wherein when a user moves to a third indexing level coupled to the first and second indexing level[[s]], a relationship of the first and second indexing levels with respect to the third indexing level is changed.

15. (Currently Amended) The system of claim [[9]] 8, wherein ~~the contents selector~~ the content selector comprises:

a first content selector for controlling a display of contents associated with the first level content indexes when the first level content[[s]] indexes stored in the memory are selected according to a user's manipulations; and

a second content[[s]] selector for controlling a display of contents associated with the second level content indexes when the second level content indexes stored in the memory are selected according to a user's manipulations.

16-40. (Canceled)

41. (New) The content indexing structure of claim 1, wherein each first-level content index is associated with a weighing value indicative of an association with a corresponding second-level content index.

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42. (New) The content indexing structure of claim 41, wherein the first first-level content index is selected as the first representative index based on a first weighing value, the first weighing value indicating that the first first-level content index is most closely associated with the first category feature, and the second first-level content index is selected as the second representative index based on a second weighing value, the second weighing value indicating that the second first-level content index is most closely associated with the second category feature.

43. (New) The content indexing structure of claim 1, wherein each second-level content index is logically coupled to a corresponding representative index in the first indexing level.

44. (New) The content indexing structure of claim 1, wherein each second-level content index is an index to a particular media content.

45. (New) The content display system of claim 8, wherein each first-level content index is associated with a weighing value indicative of an association with a corresponding second-level content index.

46. (New) The content display system of claim 45, wherein the first first-level content index is selected as the first representative index based on a first weighing value, the first

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weighing value indicating that the first first-level content index is most closely associated with the first category feature, and the second first-level content index is selected as the second representative index based on a second weighing value, the second weighing value indicating that the second first-level content index is most closely associated with the second category feature.

47. (New) The content display system of claim 8, wherein each second-level content index is logically coupled to a corresponding representative index in the first indexing level.

48. (New) The content display system of claim 8, wherein each second-level content index is an index to a particular media content.

49. (New) A content indexing structure comprising:

a first indexing level having a plurality of first-level content indexes coupled in a substantially circular manner, a first first-level content index being selected from a first set of first-level content indexes sharing a first category feature as a first representative index for the first set, and a second first-level content index being selected from a second set of first-level content indexes sharing a second category feature as a second representative index for the second set;

a second indexing level having a plurality of second-level content indexes coupled in a substantially circular manner, the

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second-level content indexes being composed of the representative indexes in the first indexing level,

wherein a user traverses from one first-level content index to another first-level content index in response to a first user action, and traverses from one representative index to another representative index in the first and second indexing levels in response to a second user action.